

IN THE CLAIMS:

Please amend the claims as follows:

1. (previously presented) A method, comprising:
  - receiving in a mobile wireless communication terminal one or more instructions to respectively perform one or more tasks that can be executed in said terminal with a delay,
  - storing said instructions in a queue in said terminal,
  - checking in said terminal whether said terminal is coupled to a charging device, and
  - executing in said terminal said tasks upon recognizing an electrical connection between said terminal and said charging device wherein said execution of said tasks in said terminal is postponed to a later point in time.
2. (previously presented) A method according to claim 1, wherein said receiving instructions includes receiving instructions from the user via the user interface of said terminal.
3. (previously presented) A method according to claim 1, wherein said receiving instructions includes receiving instructions generated internally in said mobile terminal triggered by a maintenance or update process.
4. (previously presented) A method according to claim 1, wherein the method further includes transferring at least part of data to be processed in said instructions from said terminal to said charging device for storage, and retrieving said data during said executing said tasks.
5. (previously presented) A method according to claim 1, wherein the method further includes transferring at least part of data to be processed in said instructions from said terminal to said charging device for storage and processing, and retrieving processed data from said charging device to said terminal during said executing said tasks.

6. (previously presented) A method, comprising:

studying, in a mobile wireless communications terminal, under a period of time terminal battery charging routines of a user of said terminal, calculating in said terminal time intervals with a high likelihood that said mobile terminal is connected to the charger, receiving in the mobile terminal instructions to perform one or more tasks that can be executed with a delay, storing the instructions in a queue in said terminal, executing in said terminal said tasks upon entering one of said calculated time intervals wherein said execution is postponed to a later point in time.

7. (previously presented) A method according to claim 6, wherein the receiving instructions includes receiving instructions from the user via a user interface of said terminal.

8. (previously presented) A method according to claim 6, wherein the receiving instructions includes receiving instructions generated internally in said terminal triggered by a maintenance or update process.

9. (Currently Amended) A method according to claim 6, wherein ~~said executing said~~ executing said tasks in said time interval is made using a connection speed, or a communications channel, or both, providing at least a minimum accepted Quality of Service at the lowest possible cost.

10. (previously presented) A method according to claim 6, wherein said executing said tasks in said time intervals additionally involves checking if the terminal is coupled to a battery charging device, and concluding according to a predetermined set of rules whether to start executing any queued tasks or not.

11. (Currently Amended) A method, comprising:

studying, in a mobile wireless communication terminal, under a period of time terminal battery charging routines of a user of said terminal,

calculating, in said terminal, a time ~~interval with~~ interval with a high likelihood said terminal being connected to a charger,

receiving in the terminal instructions to perform one or more tasks that can be executed in the terminal with a delay,  
storing the instructions in a queue in the terminal to be executed during said time interval,

checking in the terminal whether said mobile terminal is coupled to said ~~charger upon~~ charger upon entering said time interval, and executing said tasks if that is the case;

deferring execution of said tasks in said time interval, if the terminal is not coupled to said charger, until one of the following conditions applies, whichever occurs first:

the terminal is connected to said charger;

a maximum time limit for postponing the execution of said tasks is approaching;

a level of battery power available is approaching a limit  
putting execution of at least part of said postponed tasks at risk  
wherein said execution is postponed to a later point in time.

12. (Currently Amended) A mobile wireless communications terminal capable of wireless speech and data communication over an air interface, said ~~terminal comprising~~ terminal comprising:

a processing unit for processing tasks and a timing ~~means~~ device for performing timed execution of said tasks in said terminal,

a memory for storing instructions and data associated with each such task in said terminal, wherein said terminal is configured to store received instructions for delayable tasks in a queue located in the memory, wait until coupled to a charging device and then execute said tasks in said terminal.

13. (previously presented) A mobile wireless communications terminal according to claim 12, wherein at least part of the stored instructions for delayable tasks are originally received from the user via a user interface of said terminal.

14. (previously presented) A mobile wireless communications terminal according to claim 12, wherein at least part of the stored instructions for delayable tasks are generated by an internal maintenance or update process of said terminal.

15. (Currently Amended) A mobile wireless communications terminal capable of wireless speech and data communication over an air interface, said terminal comprising:

a processing unit for processing ~~tasks~~ with tasks with timed execution;  
a memory for storing instructions and data associated with each such task;

and

an interface for data connection between said terminal and a charging device, wherein said terminal is configured to transfer at least part of the data to be processed in said instructions from said terminal to said charging device for ~~storage therein~~ storage therein, and configured to retrieve said stored data during said task execution.

16. (previously presented) A mobile wireless communication terminal according to claim 15, configured to transfer at least part of the data to be processed in said instructions from said terminal to said charging device for processing, and configured to retrieve processed data from said charging device during said timed execution of said tasks.

17. (Currently Amended) A mobile wireless communications terminal capable of wireless speech and data communication over an air interface, said terminal comprising:

a processing unit for processing ~~tasks~~ with tasks with timed execution; and  
a memory for storing instructions and data associated with each such task,

wherein said processing unit of said terminal is configured to study under a period of time terminal battery charging routines of a user of the terminal, to calculate time intervals with a high likelihood that said terminal is connected to a battery charger and to execute the instructions stored in the memory to perform one or more delayable tasks upon entering at least one time interval of said calculated time intervals.

18. (previously presented) A mobile wireless communications terminal according to claim 17, wherein said processing unit is configured to execute said tasks in said at least one time interval using a connection speed, or communications channel, or both, providing at least a minimum accepted Quality of Service at a lowest possible cost.

19. (previously presented) A mobile wireless communications terminal according to claim 17, wherein said processing unit is configured to check during execution of the instructions if said mobile terminal is coupled to a battery charging device, and to conclude according to a predetermined set of rules whether to start executing any queued task or not.

20. (previously presented) A mobile wireless communications terminal according to claim 18, configured to communicate with a service provider, or network carrier, or both, for enabling utilization of favorable traffic conditions and transfer costs.

21. (previously presented) A mobile wireless communications terminal capable of wireless speech and data communication over an air interface, said terminal comprising:

- a processing unit for processing tasks with timed execution;

- a memory for storing instructions and data associated with each such task, wherein said terminal is configured to study under a period of time terminal battery charging routines of a user, to calculate time intervals with a high likelihood the terminal is connected to a charger, to receive in the terminal instructions to perform one or more of said tasks that can be executed with a delay, to store the instructions in a queue located in the memory, to check in said terminal whether it is coupled to said charger, to execute said tasks if that is the case or to defer execution of said tasks, if the terminal is not coupled to said charger, until one of the following conditions applies, whichever occurs first:

- the terminal is connected to said charger;

- a maximum time limit for postponing execution of said tasks is approaching;

a level of battery power available is approaching a limit putting execution of postponed tasks at risk.

22. (previously presented) A mobile wireless communications terminal according to claim 12, wherein said terminal is substantially a third generation terminal.

23. (previously presented) A charging device capable of charging a battery of a mobile wireless communications terminal, said charging device comprising:

a data interface for a two-way data connection between said charging device and said terminal when connected for said charging; and

a memory for storing data, wherein said charging device is configured to store at least part of data to be processed according to instructions associated with one or more tasks by said terminal for execution at least in part in said terminal with execution of said tasks postponed until connected to said charging device, and configured to return said stored data to said terminal when requested by said terminal, wherein said postponed tasks are terminal background tasks or tasks involving communication of data over an air interface connecting said terminal to a mobile wireless communication network.

24. (previously presented) A charging device capable of charging a battery of a mobile wireless communications terminal, said charging device including a data interface for a two-way data connection between said charging device and said mobile wireless communications terminal, said charging device including a memory for storing data, wherein said charging device comprises a processing unit for sharing task execution between said terminal and said charging device wherein sharing task execution comprises sharing execution of postponed terminal background tasks carried out at least in part in said terminal, or sharing execution of tasks initiated by a user input to said terminal and carried out at least in part in said terminal, or sharing tasks involving communication of data over an air interface connecting said terminal to a mobile wireless communication network, or any combination thereof.

25. (previously presented) A charging device according to claim 24, further comprising a processing unit for task execution on behalf of said terminal.

26. (Currently Amended) A method, comprising:

receiving in a mobile wireless communications terminal at least one instruction to perform a task,  
identifying in said terminal whether the task is a delayable ~~task~~ task and,  
if so, storing data related to execution of said delayable task in a queue located in a memory of said terminal,  
said terminal executing said task using a processing unit of said terminal upon recognizing a connection between said terminal and a power source for charging a battery of said terminal, wherein execution of said task is delayed.

27. (previously presented) A process according to claim 26, wherein said at least one instruction to perform a task is received from a user via a user interface of said terminal.

28. (previously presented) A process according to claim 26, wherein said at least one instruction to perform a task is generated internally in said mobile terminal, triggered by a maintenance or update process stored in the memory of the terminal and executed by a processing unit of the terminal.

29. (previously presented) A process according to claim 26, wherein information for said identifying whether the task is a delayable task is included in said at least one instruction to perform a task.

30. (previously presented) A process according to claim 26, wherein information for said identifying whether a task is a delayable task is found from a predetermined list of task urgencies stored in the memory of said terminal.

31. (previously presented) A method, comprising:

receiving in a mobile terminal at least one instruction to perform a task,

identifying in said terminal if the task is a delayable background task and, if so,  
storing in said terminal data related to execution of said delayable task in a queue located in the memory,  
executing said delayable task in said terminal using a processing unit in said terminal upon entering a precalculated time interval based on studying terminal battery charging routines of a user of the terminal during which said terminal is connected to a charging device wherein execution of said task is delayed.

32. (previously presented)A method according to claim 31, further comprising:

checking in said terminal during said precalculated time interval and prior to said executing said delayable task if said terminal is coupled to said charging device, and deciding according to a predetermined set of rules whether to start executing said tasks or not.